

WHAT IS CLAIMED IS:

1. A liquid roller comprising:

a roller member comprising a cylindrical body having a first side, a second side, an outer application surface and an inside surface, the inside surface comprising a continuous groove extending about the inside circumference, the groove having a starting point adjacent to the first side, the groove trending toward the second side as it extends around the first half of the circumference and trending toward the first side as it extends around the second half of the circumference whereon the groove meets the starting point;

a follower riding in the groove;

a piston arm connected to the follower;

a piston connected to the piston arm;

a cylinder enclosing the piston;

a liquid supply means;

liquid conducting means hydraulically connecting the cylinder to the liquid supply means;

liquid dispersion means for dispersing the liquid from the cylinder to the outer application surface;

an axle extending axially through the center of the roller member; and

a handle member attached to the axle.

2. The liquid roller of claim 1 wherein the liquid conducting means further comprises a check valve.

3. The liquid roller of claim 1 wherein the fluid dispersion means comprises means for connecting the cylinder to the axle, the axle comprising at least one conduit extending to the outer application surface.

4. The liquid roller of claim 1 wherein the fluid dispersion means comprises means for connecting the cylinder to the axle, the axle having an extension member extending through the second side of the roller member, the extension member extending over a portion of the outer application surface, the extension member having at least one opening for dispersing liquid to the outer application surface.

5. The liquid roller of claim 1 wherein the liquid supply means comprises a bottle.
6. The liquid roller of claim 5 wherein the liquid conducting means comprises flexible tubing extending from the bottle through the handle member to the cylinder.
7. The liquid roller of claim 6 wherein the flexible tubing comprises a check valve.
- 5 8. A liquid roller comprising:
  - a roller member comprising a cylindrical body having a first side, a second side, an outer application surface and an inside surface, the inside surface comprising a continuous groove extending about the inside circumference, the groove having a starting point adjacent to the first side, the groove trending in a sinusoidal path along the inside circumference, trending back and forth between the first side and the second side as it extends around the circumference;
  - 10 a follower riding in the groove;
  - a piston arm connected to the follower;
  - a piston connected to the piston arm;
  - a cylinder enclosing the piston;
  - 15 a liquid supply means;
  - liquid conducting means hydraulically connecting the cylinder to the liquid supply means;
  - liquid dispersion means for dispersing the liquid from the cylinder to the outer application surface;
  - an axle extending axially through the center of the roller member; and
  - 20 a handle member attached to the axle.
9. The liquid roller of claim 8 wherein the liquid conducting means further comprises a check valve.
10. The liquid roller of claim 8 wherein the fluid dispersion means comprises means for connecting the cylinder to the axle, the axle comprising at least one conduit extending to the outer application surface.
- 25 11. The liquid roller of claim 8 wherein the fluid dispersion means comprises means for connecting the cylinder to the axle, the axle having an extension member extending through the second side of the roller member, the extension member extending over a portion of the outer application

surface, the extension member having at least one opening for dispersing liquid to the outer application surface.

12. The liquid roller of claim 8 wherein the liquid supply means comprises a bottle.
13. The liquid roller of claim 12 wherein the liquid conducting means comprises flexible tubing  
5 extending from the bottle through the handle member to the cylinder.

14. The liquid roller of claim 13 wherein the flexible tubing comprises a check valve.

15. A method of applying a liquid to a surface comprising the steps of:

- (a) preparing the surface for application of the liquid;
- (b) placing a liquid within a liquid roller, the liquid roller comprising: (i) a roller member  
10 comprising a cylindrical body having a first side, a second side, an outer application surface and an inside surface, the inside surface comprising a continuous groove extending about the inside circumference, the groove having a starting point adjacent to the first side, the groove trending toward the second side as it extends around the first half of the circumference and trending toward the first side as it extends around the  
15 second half of the circumference whereon the groove meets the starting point; (ii) a follower riding in the groove; (iii) a piston arm connected to the follower; (iv) a piston connected to the piston arm; (v) a cylinder enclosing the piston; (vi) a liquid supply means; (vii) liquid conducting means hydraulically connecting the cylinder to the liquid supply means; (viii) liquid dispersion means for dispersing the liquid from the cylinder to  
20 the outer application surface; (ix) an axle extending axially through the center of the roller member; and (x) a handle member attached to the axle; and  
(c) rolling the roller member against the surface.